

DESIGN PANEL NO. 50 3-4-98

REDUNDANCY MANAGEMENT Atlas DP1 - Jack Blackledge

OVERVIEW

This thread develops the Atlas Redundancy Management using the System and Subsystem Integrity infrastructure developed in Thor. The Thor delivery defined the means for transmitting/logging, and displaying Subsystem health and performance information. For Atlas the mechanism for implementing redundancy policies will be developed and the redundancy management policies for gateway subsystems will be defined and implemented. The set configurability capability will be extended to include the capability to add and removed subsystems from a test set and update the System Configuration Table (SCT). During Atlas, the mechanisms for supporting application software redundancy will be defined, but not implemented.

ACTIONS

Get with Terry Ross to model DDP Failover scenario timeline.

ACTIONEE

Ken Castner

DUE DATE

3/18/98

STATUS

In work

Need to return to design panel with information on the following items:

Data Fusion

Data Distribution on the DCN side

Gateway

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DESKTOP DEBUG ENVIRONMENT PHASE 2 ASSESSMENT Atlas DP1 - Al Folensbee

OVERVIEW

This thread establishes the application software Desktop Debug Environment (DDE) by building on the Thor Test Bed Pathfinder products. Application software debug is performed jointly by the DDE and the IDE. Application software validation is performed in the IDE. The DDE provides a standalone light weight capability for individual application software developers to develop and debug all types of RTPS user application software products (including regression test scripts) from the office environment. The DDE is the application software primary debug tool and is capable of debugging the bulk of applications software. The tool is light weight and has limitations necessary to make the cost of developing the tool affordable and executable in the existing desktop office computers. The IDE provides full debug of all application software functions but is a limited resource.

ACTIONS

ACTIONEE

DUE DATE

STATUS

No action required

Need to return to design panel with complete assessments.